

ISA shares a taste of India with CSM

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER



Jake Rezac
Content Manager

"Diwali basically celebrates the triumph of good over evil," explained Sonny Sachdeva during the Indian Student Association's (ISA) Diwali Night 2009. Sachdeva, a member of ISA, described the meaning of and history behind Diwali, the Indian Celebration of Lights, to a group of students and faculty. While Diwali took place on October 17, the ISA had presented Diwali Night to the public on November 2, to celebrate Indian culture and food.

The 5 day festival of Diwali is very important for many people across the world.

In many countries, such as India and Singapore, Diwali is a national holiday. During Diwali, people celebrate by wearing new clothes and sharing sweets with friends and family. It is also believed to be the start of a new year; many start important tasks on this day, whether it be business-related or buying a new car, to bring them good luck in their endeavors. Sachdeva explained, "Diwali derives from the Sanskrit word *Dipavali*... it's a combination of words... meaning row of lamps," Sachdeva explained. "The significance of the lamp is that it signifies knowledge... the triumph of light over ignorance."



Celebration of the various days of Diwali are different depending on where the celebration occurs. Sachdeva explained what happens in Northern India on the third day of Diwali, *Naraka Chaturdashi*, the slaying of the demon king Narakasura by Lord Krishna, a Hindu god.

"Basically, we make colorful designs called rangoli," Sachdeva described. "Then we have family get-togethers in which we go to people's houses and make sweets." When the sun sets, many light fireworks. "The whole thing is very colorful and full of lights," Sachdeva explained.

The fourth day is when *Lakshmi Pooja* is celebrated. Commonly known as the most important day of Diwali, people pray to the Hindu Goddess, Lakshmi, for their well-being and prosperity.

When Sachdeva's presentation ended, the crowd was invited to eat traditional Indian food. Offering three types of curry and sweets, the food was well received. The night ended with a presentation of dances by members of ISA. Those who were not members of ISA were invited to take part in the last dance, and many ended their celebration of Diwali and Indian culture dancing with new friends from ISA.



Students get international education

Spencer Nelson
Content Manager

A vastly diverse crowd came to this year's International Day. Packing into the Green Center, hundreds of people enjoyed phenomenal food, lots of music, cultural performances, and a fashion show.

To start, food was served in Friedhoff Hall. About 30 countries had tables with a massive variety of food. A delicious smell could be found in all corners of the building. As the crowd filled all the tables and hallways, a DJ played songs in English, Spanish, German, and other languages to promote the international atmosphere.

After the food, the people moved into Bunker Auditorium for the cultural and fashion show. First, groups of people from dif-

ferent countries would come on stage and perform something from their culture. Many of the countries performed a traditional dance, while some performed songs on instruments native to their countries.

Following this was a talent show. People dressed in their traditional cultural attire came on stage and strutted up and down to the applause of the audience. Some countries, like Saudi Arabia, joined in at the last minute.

The night ended with a word of thanks to all those who contributed to making it happen. All the performers were asked to come back on stage to create a kaleidoscope of costumes and cultures, diverse and unified. Together the rainbow sang John Lennon's classic song, "Imagine," ending out the night with an idealistic plea for world peace.



SARAH MCMURRAY / OREDIGGER



SARAH MCMURRAY / OREDIGGER



SARAH MCMURRAY / OREDIGGER



TIM WEILERT / OREDIGGER



SARAH MCMURRAY / OREDIGGER



TIM WEILERT / OREDIGGER

Scientific discoveries this week

Sara Post, Editor-in-Chief

Northwestern University, Illinois: New research suggests that most small earthquakes in the central United States are aftershocks of the New Madrid earthquakes that struck in the early 19th century. Fault zones in the center of the continent move much more slowly than faults on the margins, such as the San Andreas. It takes much longer for the rock around a slow-moving fault zone to recover from the effects of a big earthquake.

Cardiff University, UK: An international team from Stanford and Cardiff Universities has created a detailed picture of the cosmic microwave background, including variations in polarization. This map matches the expectations of theories seeking to understand dark matter and dark energy, leading scientists to conclude that the universe is made up of 95% dark matter and energy, leaving a scant 5% as ordinary matter and energy.

Switzerland: A study by Swiss and German scientists indicates that the Swiss Alps are being eroded and uplifted at the same rate. The Alps were formed by the collision of the European and African continents beginning about 55 million years ago, but are no longer growing as a result of this process. The Alps do rise about 1 mm per year, but erode at the same rate, which scientists were able to show by measuring the concentration of the isotope Beryllium-10 both on the slopes and in the sand of the rivers draining the Alps. This indicates that the reason the Alps are still rising is rebound from the mantle. This has been discussed theoretically, but never before been proven in a complete mountain range.

China: Scientists in China have reported that increasing nitrogen emissions will largely offset gains from the government's focus on reducing sulfur dioxide pollution. China is trying stop soil acidification from acid rain, but has focused exclusively on sulfur dioxide to this point.

Oredigger Staff

- Sara Post
Editor-in-Chief
- Lily Giddings
Managing Editor
- Abdullah Ahmed
Business Manager
- Ryan Browne
Webmaster
- Barbara Anderson
Design Editor
- Zach Boerner
Copy Editor
- Robert Gill
Asst. Business Manager for Sales and Marketing
- Ian Littman
Asst. Business Manager, Web Content
- Mike Stone
Fool's Gold Content Manager
- Tim Weilert
Content Manager
- Jake Rezac
Content Manager
- Spencer Nelson
Content Manager
- Neelha Mudigonda
Content Manager
- David Frossard
Faculty Advisor
- Forrest Stewart
Faculty Advisor



Headlines from around the world

Emily Trudell, Staff Writer

Authorities in Mexico arrested three doctors, a nurse, and a receptionist in connection with **stealing newborn babies** to be sold to paying parents. The doctors reportedly told the biological parents of the children that the babies had died. So far, three parents were charged with buying the children, and one has since been reunited with its mother.

The World Health Organization says that the **H1N1 virus** is now the dominant influenza strain in the world.

A study conducted by the University of Haifa in Israel found cancer rates are higher for Jews who were exposed to the conditions during the **Holocaust** in World War II. Researchers believe that the stress and severe starvation present in concentration camps could have contributed to the cancer rates.

Officials from the United Nations say that a treaty to combat **global climate change** could be ready as soon as 2010. Extensive talks on the subject are set to begin in Copenhagen next month.

Raymond Jessop, a member of the Yearning for Zion Ranch in Eldorado, Texas, was convicted of sexually assaulting a 17 year old girl with whom he had a "spiritual marriage." When the ranch was raided in 2008, the girl was one of 400 other children who were removed by child welfare workers.

President Roberto Micheletti, the interim president of **Honduras**, announced the formation of a new unity government and installed himself as the new leader of the nation, ousting President Manuel

Zelaya.

British Prime Minister **Gordon Brown** gave a major speech about Afghanistan, stating that Britain will not abandon its mission in the nation, but warned that reform must be made in order for the 9,000 British troops to remain in the area.

Chinese authorities made an agreement with the **Walt Disney Company** to build a "Magic Kingdom-style" theme park in Shanghai. Disney already has a resort in Hong Kong, but this will be Disney's first park on China's mainland.

A poll taken by the Science Museum in London voted the **X-ray machine** as the most important scientific invention, from a list of 10 inventions in the past centuries, followed closely by the discovery of penicillin. Roughly 50,000 votes were cast.

Michel Bagaragaza, a former official in the

Rwandan tea industry, was convicted of contributing to the **1994 genocide** that killed 800,000 of the Tutsi people. Bagaragaza was responsible for the death of at least 1,000 people in Rwanda.

Air Force **Staff Sgt. David Booher** was among six of those who were killed in a shooting at a strip club in Ciudad Juarez, Mexico. A Mexican official said that he believed that the gunman was specifically targeting the victims.

The Labor Department reported that teen **unemployment** reached 27.6 percent in October, raising 1.8 percent since the previous month.

The U.S. House of Representatives **voted 220-215** Saturday to approve sweeping health care reform. The bill included an amendment that prevents the "public option" from paying for abortions.

13 people died Friday when Major Nidal Majik Hasan opened fire inside the Fort Hood Army Base.



Local News

The Colorado School of Mines's women's soccer team had five players named to All-Rocky Mountain Athletic Conference teams as voted on by the 11 head women's soccer coaches in the RMAC. Kayla Mitchell was named the 2009 RMAC Player of the Year and was a unanimous First Team selection. Joining Mitchell on the First Team are Briana Schulze and Megan Woodworth. Jessica Stark earned Second Team honors while Kelsey Lang was named to the Third Team.

Colorado School of Mines's Kaity Edmiston has earned CoSIDA / ESPN The Magazine Second Team Academic All-District honors (College Division; District VII) for the 2009 season, as announced this week by CoSIDA (College Sports Information Directors of America).

Colorado School of Mines's Zach Meints has earned CoSIDA / ESPN The Magazine Second Team Academic All-District honors (College Division; District VII) for the 2009 season, as announced this week by CoSIDA (College Sports Information Directors of America).

Colorado School of Mines defeated N.M. Highlands University, in their final game of the regular season, by the score of 69-27 in RMAC football action on Saturday afternoon, Nov. 7th, at Brooks Field.

Faculty senate rules on replacement grades

Rambert Nahm
Guest Columnist

The Faculty Senate held their last meeting on October 27th, and many important topics were discussed and voted on. Along with the unanimous approval of the proposed core curriculum changes as presented by Dr. Wendy Harrison at the Oct. 1st ASCSM meeting, there will be a significant policy change for students.

Starting in Fall 2011, the repeat grade policy will be repealed, and students will no longer be able to simply retake a class and only have the newer (and potentially better) grade affect their GPA. This means that if you receive a grade of F in a course and wish to retake it for a better grade, you may certainly do so, but unlike in the previous few years, that previous F will impact your GPA. This repeal undoes the repeat grade policy, originally implemented starting in Fall 2007:

"If a course completed during the Fall 2007 term or after is a repeat of a course completed in any previous term and the course is not

repeatable for credit, the grade and credit hours earned for the most recent occurrence of the course will count toward the student's grade-point average and the student's degree requirements. The most recent course occurrence must be an exact match to the previous course completed (subject and number). The most recent grade will be applied to the overall grade-point average even if the previous grade is higher."

Since this policy was put into effect, there have been a number of issues that have come up because of the policy. For example, there have been graduating students with more than 20 F's on their transcripts, but none of them counted because they either retook the class and got a better grade or were currently retaking the class. So, there is 'student A' who has 20 F's on his/her transcript, but has a GPA of 2.3. 'Student B', on the other hand, has 1 F on his/her transcript, but has a GPA of 2.0. This hardly seems fair, and the faculty took notice of this. In addition, they realized that letting students

graduate with 20+ F's and awarding them a degree from Mines that would technically be equal to another degree from a Mines student of a 3.0 GPA is not fair and sends the image that Mines simply hands out degrees to anyone.

In addition, this policy, as a whole, creates more work for the already over-burdened Registrar, and also has other significant impacts on the school. There are many returning students who have come back to replace their previously failed classes and try again. There are also many current students who are retaking past classes to attempt to achieve a better grade. However, both of these consequences also cause another: they fill up registration slots for the students who have not yet even taken those courses. So, classes are filled up with students who previously have taken the class instead of ones that need to take the class for the first time.

It has been shown that this policy had no statistically significant effect on average GPAs, and it has been shown that athletes are

largely unaffected (even though many of them may have the largest concerns).

The issue on the table was what to do about this policy. Though some senators expressed that they have seen some good from this, the bad clearly seemed to outweigh the good. So, it was proposed that this policy be undone completely. The Faculty discussed this for quite some time, and I mentioned to them that the seniors of next year, who started with this policy in place and would obviously expect it throughout their school career, would then have no way to pull themselves out of a hole if they were in it (a student cannot graduate if they have a cumulative GPA of less than 2.00) without this policy. And especially since they will have received no direct notification of this policy change except from sources such as myself and ASCSM, this would be especially unfair to the class of 2011. As a result, the senate decided to repeal the repeat grade policy effective Fall 2011 instead of Fall 2010 as

originally proposed.

Now, I realize that this policy change seems sudden and it probably feels like there was no real warning about it. Well, it was sudden, but there were indications of change coming down the pipe (I have previously mentioned that they have discussed the problem with numerous F's on some transcripts at previous ASCSM meetings). This was an issue that the senate brought up and deemed it necessary and appropriate to take action on right then and there. They were very adamant about it and voted unanimously that this policy be undone.

However, to counter-balance this policy change, there was another significant policy change: the withdrawal date for all continuing students (non-freshmen, non-transfer) was bumped to 12 weeks into the semester instead of the previous 10. The withdrawal date for freshmen and transfer students is still 15 weeks into the semester.

SEE GRADES ON PAGE 4

Students learn business sense from ETM

Ian Littman
Asst. Business Manager,
Web Content

"MBA programs are targeted towards the general public. If you have a History degree, you go to an MBA program," Professor Michael Walls said in an info session on November 4 about Mines's Engineering Technology Management program. "We've identified a niche where we're really trying to build a curriculum targeted toward engineers and applied scientists only," he explained.

Engineering Technology Management, a Master's degree offered by the Department of Economics and Business, was launched in 2001. Walls explained the purpose of the program during Wednesday's presentation. "[We want] to give students who have engineering and applied science undergraduate degrees a stronger managerial and business perspective." The program "gives [students] a leg up in the context of understanding much more about the business side of the world and understand the components of that that might affect their day-to-day job," according to Walls.

The ETM program, which has turned out around 200 graduates since 2001, typically takes a year to complete. In addition to an eighteen-hour core, ETM students can choose from four other classes to complete their degree. The classes they choose coincide with two specialties on which the program focuses. The more quantitative specialty, Operations Engineering Management, is "a tool bag of methodologies and technologies, particularly with regard to operations research and optimization, to really support decisions in the context of the... particular environment you're in," Walls explained. The specialty focuses on operations research techniques such as integer and linear programming, and includes a decision analysis class, which focuses on taking

systematic approaches to making complex decisions.

Associate Professor Alexandra Newman brought up applications of this specialty, specifically related to her operations research programming courses. "We do work in mining, like optimizing how to plan production for open-pit and underground mines. We do work in energy, both with zero-energy building and also based on operating energy systems," she explained during the presentation. "I also have a project group working right now on scheduling softball games for the Rocky Mountain Athletic Conference...[W]e hope to take over the Rocky Mountain Athletic Conference schedules because we think that [ours] are better than what the RMAC currently has."

The other specialty available for ETM students is Strategy and Innovation. Courses in this specialty relate to entrepreneurship. Class topics include entrepreneurial finance, patenting, inventing and licensing. Marketing, business ethics and business law courses are also included under this heading. "The emphasis here is on developing strategic competitiveness," said Walls.

The final-semester capstone project and executive in residence programs round out the highlights of ETM. The capstone class "is a combination of a business strategy course and an internet based competitive simulation game," Walls explained. Teams of four ETM students compete with each other in the simulation, which immerses students in decision-making activities for every major aspect of running a high-tech business. "We think it's a really great game...it's a great experience for students who haven't been in a business environment. The idea is to get you exposed to a business environment in a very quick way," Walls said, continuing, "Basically you compete over eight years..., and the idea is to beat out the competition and create some value for the company. Students give us a lot of positive feedback about

that course."

The executive in residence program brings even more real-world experience to the ETM program and strengthens the program's emphasis on leadership. Each fall semester the ETM program brings a seasoned professional on-campus to present a semester of seminars and to sit down with students in a two-way discussion about today's business issues. "The idea is for them to give you some practical perspective and some industry perspective beyond what you're getting in the classroom setting. Some of our recent executives in residence have actually helped some students in their career planning," said Walls. Previous executives in residence have included Richard Herring, COO of Ball Aerospace and Raymond Colladay, former president of Lockheed Martin Astronautics. The current executive in residence, Tammy Berberick, has twenty years of experience in finance, HR, IT, strategy and sales operation, mainly with relation to Coors.

ETM's career outlook for students is varied but positive. With 90% placement rates between three and six months after graduation, a starting salary \$8,000-\$10,000 higher than a typical Mines graduate and an accelerated track toward management and leadership positions in graduates' employers, ETM presents a quick return on investment for a one-year graduate program tailor-made for engineers and applied scientists. While at school, fellowships partially financed via an endowment from Jerome and Rebecca Broussard help to defray the cost of tuition. As an extra bonus for Mines students, GMAT and GRE test scores are not required for undergraduates applying for the program, though letters of recommendation and a statement of career goals are.

More information on the ETM program can be found at <http://etm.mines.edu>.

CSM Republicans host raceway owner

Daniel Haughey
Staff Writer

John Bandimere, owner of the Bandimere Speedway, came to the Colorado School of Mines (CSM) last week for a casual discussion on business and community as part of the CSM Republicans meeting. Bandimere discussed dealing with neighbors of the speedway and how he runs his business. Apart from the speedway, Bandimere is deeply involved in the community, and has started programs such as "Race to Read," where racing is used as a motivator for kids in elementary school to pursue reading.

Bandimere enjoyed telling stories about himself and the speedway that bears his name. He explained that the speedway was originally built by his father as place for people to safely try out their vehicles.

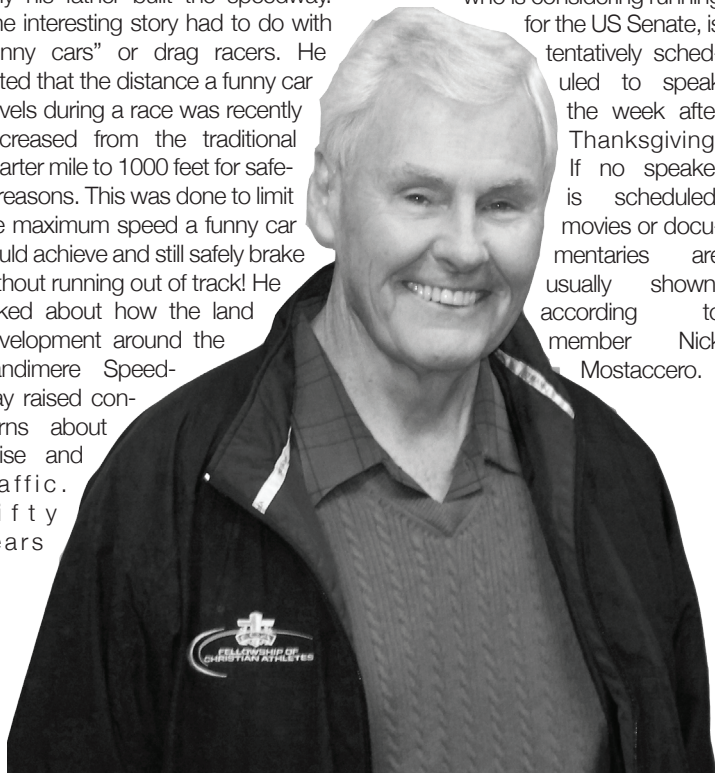
He spoke of growing up in a different time, and gave some reasons why his father built the speedway. One interesting story had to do with "funny cars" or drag racers. He noted that the distance a funny car travels during a race was recently decreased from the traditional quarter mile to 1000 feet for safety reasons. This was done to limit the maximum speed a funny car could achieve and still safely brake without running out of track! He talked about how the land development around the Bandimere Speedway raised concerns about noise and traffic. Fifty years

ago, when he was a kid, the speedway would operate through the night and into the morning hours. Today, there are strict limits on operating hours, with weekday events ending as early as 9 PM.

Mr. Bandimere made a point that when it comes to the roar of the vehicle and the rapid acceleration from the starting line, nothing beats what happens at the speedway. He noted that when the race starts, you can feel the roar of the cars going down the track like someone hitting you in the chest.

After speaking about himself, he opened the floor and a lively discussion of current events took place.

The CSM Republicans meet every Tuesday night from 4-6 PM at the student center. Former congressman Tom Tancredo is scheduled to speak on November 11, Sherry Giroux is the scheduled speaker on November 17, and Ryan Frazier, an At-Large member of the Aurora City council, who is considering running for the US Senate, is tentatively scheduled to speak the week after Thanksgiving. If no speaker is scheduled, movies or documentaries are usually shown, according to member Nick Mostaccero.



DANIEL HAUGHEY / OREDIGGER

Grades will count on transcript

CONTINUED FROM PAGE 3

The rationale: this will give professors and students more time to properly gauge whether or not that student will pass or fail the class since the professor has ample time to give 2 tests and the students will have those tests to base their grade off of. This proposal was also passed unanimously.

In addition, the subject of disciplinary F's (F's for academic dishonesty, etc.) was brought up. It has been proposed that an FD grade is created for transcripts, signifying disciplinary F's. This is to differentiate it between a normal F and one for disciplinary reasons. Lara Medley mentioned that half the schools around the nation do something similar, half the schools don't - it's a never-ending debate between Registrars. This proposal was tabled until the next meeting (the one that one of you may attend for me) as to verify the legality of such a grade. The Senate is also concerned about branding students for life with such a grade on their transcript. Obviously, they will discuss this more at their next meeting on Tuesday, November 10th.

If anyone has any questions or concerns about the above said changes, then they should contact me and I will bring them to Faculty Senate. Keep in mind that this has already been voted on and it will be very hard to sway the senate away from this.

Finally, for grad students, there has been a proposal to reinstate a time-to-degree requirement. MS-Thesis students would be required to complete all requirements within five years of admission, including time spent on approved leaves of absence. Candidates not meeting this time limitation will be notified and

withdrawn from their degree programs. However, they may apply for a one-time extension, made in writing and approved by the candidate's advisor, thesis committee, department, and Dean of Graduate Studies. This must include specific timelines and milestones. If this approved, but the goals are not met, the candidate will be immediately withdrawn from the program. Candidates wishing to reenter will have to re-apply and all of his/her previous work will be evaluated to see if it can be applied towards the new degree. The same policy will apply to PhD students, except with a window of nine years versus five. This proposal, if approved, would begin in Fall 2010.

Also, the Undergraduate Council will be discussing several important topics at their next meeting on Wednesday, November 11th. The Curriculum committee has revised the proposal on the Pass/Fail policy due to some concerns expressed at the last meeting, so this will be discussed at this next UG Council meeting, along with the formal requests from certain degree programs to eliminate EPICS II from their curriculum (ie - Math and Computer Sciences, Economics and Business, Chemistry). Also, the proposed Space and Planetary Science and Engineering (SPSE) ASI will be discussed yet again, along with the proposal from LAIS for a new "Literature, Society, and the Environment" Minor to replace the current Humanities Minor. (These were discussed in my article from a few weeks ago).

Again, if anyone has particular comments they would like me to relay to either of these bodies, please do come to the next ASC-SM meeting on November 12 at 7PM in Ballroom A in the Student Center! And do not hesitate to email me at rnahm@mines.edu.



Antivirus, 3G, 4G, Macs and Windows 7

Ian Littman
Tech Break Columnist

A fair amount has happened over the past month or so in the computer and tech world, so naturally it needs to be covered in a concise, easy-to-read format. How better to do that than here?

In honor of National Cyber Security Awareness Month, I decided to test **Grisoft's new AVG Free 9.0 antivirus**. To my pleasant surprise, the program is surprisingly sparing in its memory usage, much like Norton Antivirus's 2010 release. Grisoft says that this version of AVG catches significantly more viruses than the last one, which is nice to hear given the product's lower-than-average historical virus detection rates. The bottom line: if you want a free antivirus application with a low memory footprint, AVG is it. That said, Microsoft's Security Essentials package doesn't nag you about paid upgrade opportunities or present you with a rather complex user interface like AVG.

In mobile broadband news, over the past week a few rather important developments have transpired. First, AT&T sued Verizon for Verizon's "There's a Map For That" ads. The suit effectively states that TV audiences don't understand the difference between 3G data coverage and slower voice and data coverage. Thus, the ads would push customers in the direction of Verizon over AT&T. AT&T's case is that it has an awesome selection of smartphones (the iPhone, plus just about what everyone else has). It somehow related this to its anemic high-speed data coverage, which is 20% of Verizon's footprint. The problem with AT&T's suit is that it brings to everyone's attention AT&T's poor next-generation network execution nearly as much as Verizon's ad campaign does. It also makes AT&T out to be the bad guy versus Verizon for trying to combat facts with lawsuits (Verizon does indeed have the largest 3G network, by far, in the US).

Next, **T-Mobile** flipped a few switches on its network. One of

these killed service for about 5% of the company's subscriber base on Wednesday. After getting service restored, T-Mobile flipped the intended switch, doubling data capacity across large swaths of their 3G network and placing it firmly in the top position for US 3G speeds (3.5 Mbps).

That said, T-Mobile's HSPA 7.2 Mbps network, which will be upgraded to 21 Mbps down, 5.76 Mbps up HSPA+ by the end of next year, currently has the smallest footprint of any major carrier's 3G network in the States. T-Mobile had to wait for spectrum to be cleared in the AWS 1700MHz band to deploy their 3G, and as a result they aren't forced into the capacity issues AT&T has. They are also poised to expand coverage quickly, thanks to a hefty cash infusion by their parent company, the German Deutsche Telekom.

Last but not least, **Clearwire** (51% owned by number-two-in-3G Sprint, and funded by Comcast, Time Warner Cable, Brighthouse, and Google) launched their Clear WiMAX service in a slew of markets on Monday. Many launches were in Time Warner Cable territory; San Antonio, Austin, and the Dallas-Fort Worth Metroplex got coverage while previous Clearwire areas in North Carolina were upgraded to 4G service. Philadelphia and Chicago, both Comcast turf, also were lit for Clear WiMAX. The service promises 6+ Mbps download speeds and upload speeds of one megabit with no caps either for mobile or fixed use. In a number of cases, they have delivered on these promises. That said, Clearwire has two problems right now. First, the 2500MHz spectrum on which it is deployed doesn't play well with energy-efficient home technologies, since current fixed modems are in-house equipment. Second, Clearwire has not been announced, or even hinted at since 2007, for Denver.

In the Apple department, on Oc-

tober 20, the company upgraded its iMac, MacBook, and Mac mini lines. iMacs now feature speedy desktop-class processors (including the Intel Core i7), improve graphics on the high end, four memory slots with a total capacity of up to 16GB, and 16:9 displays measuring either 21.6 or 27 inches diagonally. The 27-inch iMac can be used as an external display for another computer at a huge 2560x1440 resolution, with the correct Mini DisplayPort adapter while the iMac is powered on. On the MacBook front, Apple's developments are more dubious; a new unibody design shaves 0.3 pounds off the MacBook's weight and MacBook specs under the hood match or exceed those of the company's entry-level MacBook Pro. However, Apple now no longer sells a portable with a battery that's easy to replace and they've made another pass at killing off FireWire connectivity on their MacBook line. As for the Mac mini, the pint-sized system got a respectable spec bump as well as a server-specific version with a second 500GB hard disk instead of an optical drive. Lastly, Apple released a new Bluetooth-powered mouse, the Magic Mouse, which brings all of Apple's multi-touch touchpad tech to an external pointing device.

Two days after the Apple upgrades, Windows 7 was released to the general public. As far as I have heard, it's a resounding success, particularly for users upgrading from Windows Vista. A few driver issues still need sorting out, but otherwise the operating system appears to be universally regarded as superb (except by a tired Apple ad or two), and the 2009 equivalent of Windows XP or Windows 95 rather than Vista or Millennium Edition. One indirect result of Windows 7 is that "CULV" laptops - thin-and-light computers with low-power processors, palatable price tags and superb battery life - are becoming more mainstream and more usable for day-to-day computing tasks.

Dr. Marr combines talents to inspire students

Benjamin Johnson
Staff Writer

Most students would label David Marr as a bit eccentric, maybe even a little crazy, but all of his students would agree that he is a very passionate professor. Combining his gifted intellect and a knack for teaching, Marr has often conveyed the lofty concepts present in Chemical Engineering Thermodynamics successfully to those pursuing a degree in the subject. Marr received his undergraduate degree from UC Berkeley and his Ph.D. from Stanford University in the field of Chemical Engineering.

After fourteen years working at CSM, Marr has "fought for the curriculum changes necessary for the establishment of the Chemical and Biochemical Engineering degree. Many students wanted a degree program of this nature on campus and it was really important to create something for them." Marr has also won several awards during his time at CSM including the "NSF CAREER award, a von Humboldt research award (which funded 4 summers spent working in Ger-

many), and the Dean's Excellence Award (which recognizes teaching and scholarship at CSM)."

Research is often an important part of being a professor at CSM. Marr posed the question, "So what could be more exciting than using a tractor beam in your research? - I can't think of anything..." He said that while performing research, "I use lasers and related techniques to create small (very small) devices that function similarly to macro scale [normal] valves, pumps, and mixers. My goal is to create biomedical devices that allow immediate screening and diagnosis of disease without the common step today of sending samples, [such as blood], off to the laboratory. Right now, we're developing tools that measure the change in red blood cell properties when they get infected with malaria."

Marr said that the most impressive aspect of CSM is "our focus. There are very few institutions of our caliber in the US focused on engineering and technology as we are. This puts us in a great and unique position because there will always be a need for graduates

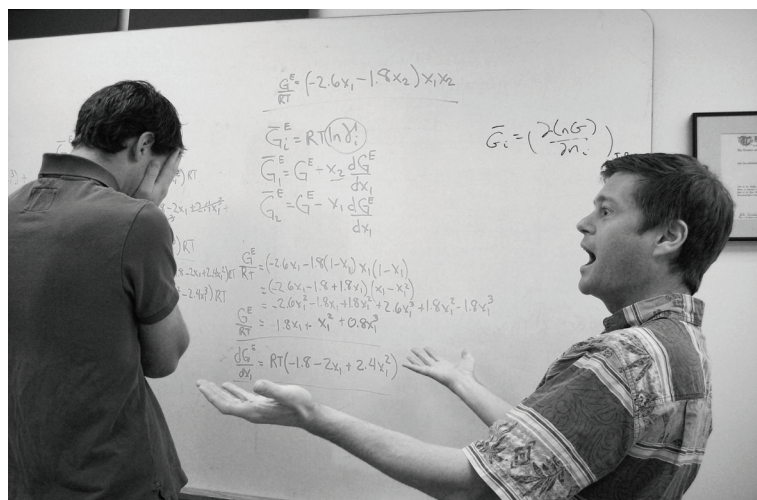
trained in these areas. This focus allows us to attract both outstanding faculty and students at all levels." He noted that although CSM has many strong characteristics, an area that needs to be improved is "to better sell and think of ourselves as a modern school of engineering and technology with a research focus on applied science."

Outside of activities on campus, Marr enjoys partaking in some of the innumerable outdoor adventures Colorado has to offer including hiking, camping, and skiing. Marr also said that he loves "to play, watch, and coach soccer. Even in our advanced years, my wife and I still play on a soccer team because it's a fun way to stay active and healthy." Cooking has also been a passion of Marr's, "I also like to cook - while living and working in Bangkok last year I even took Thai cooking classes!"

Marr is a man of many mysteries to students and colleagues alike; however, his zeal for his family has remained constant throughout the years. His wife Junko works as a professor at CSM in the Environmental Science

and Engineering department and their eight-year-old son, "with two engineering professors as parents, has little hope of avoiding growing up as a geek," joked Marr. He has lived in exotic places such as Thailand, Germany, and Japan; his favorite book is *Chemical Engineering Thermodynamics* by Smith, van Ness, and Abbott, but he also enjoys comedic authors Steven Colbert, Jon Stewart, and Al Franken.

The advice he gives to students is "Buy a Mac. Seriously. Find something you enjoy and then work hard at it. I was lucky enough to find something I really like doing and love my job as a result - as a professor though you have to work hard as you are balancing teaching, research, and service, each of which can have massive time requirements. Play hard. And by 'play' I don't mean Halo."



BENJAMIN JOHNSON / OREDIGGER

Geek of the Week

...Marilyn Sparks, Sophomore; Electrical Engineering

Alec Westerman
Staff Writer

Do you consider yourself a geek?

I don't think of myself as a geek... there's so many geekier people out there.

Do you think others consider you a geek?

If they asked me to be geek of the week, probably yeah.

What is your favorite type of music?

I'd have to say either country or Christian rock because I listen to them the most... today I was listening to "I Fight Dragons."

What do you listen to your music on?

Basically my computer, and that's about it.

Do you prefer Microsoft or Mac?

Definitely Microsoft. I had a bad experience with a Mac. The first time I used it. I gained the name 'computer killer' after a round with Mac... I grew up with Microsoft.

Do you have any strange talents?

I'm doing one right now... I can make origami x-wings... I make them in class when I'm bored.

What is the geekiest thing you own?

I own lots of Star Wars paraphernalia... I've got a toy tie fighter and I've got a toy imperial shuttle as well.

What is the geekiest thing you have done at Mines?

Last year for Halloween, I dressed up as Aayla Secura... the Twi'lek jedi... she's the one with the Lekku down her back.

What is the geekiest thing you have done in your life?

I've done most of my geeky

things at Mines. I wasn't really a geek in high school... It's the geekiness of the school. It integrates everyone around into it... I grew up with a country kid background. Everyone knows all the calculus jokes and all the Star Wars... Last year on New Year's Eve, I celebrated by playing Dungeons and Dragons with my friends.

Why did you choose to attend Mines?

I wanted to be an environmental engineer... I changed major and now I'm an electrical engineer... I thought it was a good school for the field I wanted to go into at the time.

What is your favorite class?

I liked Earth the best because of Dr. Shorey... I understood the information, and I liked the labs; it was fun.

What clubs are you involved in?

The geekiest club I'm involved in is the Board and Gaming club. We play Munchkin... I'm in the kayak club. I'm in the ultimate Frisbee club... The one I'm involved in the most is Intervarsity.

What are your plans for after college?

I plan to go work at a rural electrical cooperative. First, I'm going to intern for CH2M HILL, but then, I'm going to work for a rural electrical

cooperative. It's a lot more family-based than corporations.

What are your

hobbies?

I like to read... I like rock climbing... I really don't have a lot of hobbies...homework, if you can call that a hobby.

What is something embarrassing about you?

I am such an uber procrastinator. It is so bad... It's bad. I'm bad. I don't know how I get my homework done.

If you could take three things with you to a desert island what would they be?

A boat... There wouldn't be any Wi-Fi so not my computer, food and a house, a tree house. Normal stuff.

If you suddenly came by one million dollars, what would you do with it?

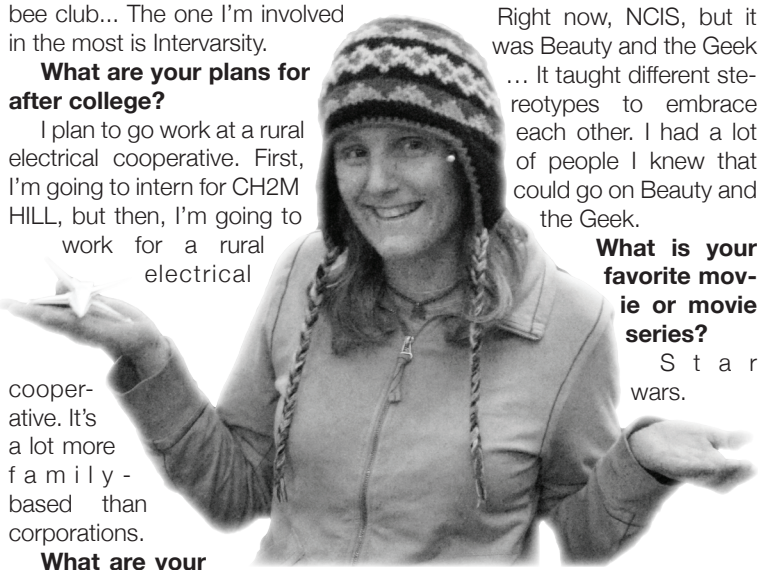
I would get my dream house: a tiny little cottage and a huge library on it... I would probably be a bit more comfortable with going to school more... I'm not really a big spender.

What is your favorite TV show?

Right now, NCIS, but it was Beauty and the Geek... It taught different stereotypes to embrace each other. I had a lot of people I knew that could go on Beauty and the Geek.

What is your favorite movie or movie series?

Star wars.



ALEC WESTERMAN / OREDIGGER

Mines program benefits global community

Katherine Huckfeldt
Staff Writer

The Mines campus offers its students many diverse opportunities from course selection, to clubs, to studies abroad. This year, a new course has been introduced, the E-CLIPS, program created by EPICS department chairman, Robert Knecht. The E-CLIPS (Experiences in Cultural Leadership and International Projects) program is an EPICS 2 course that allows students the option of traveling abroad in addition to enriching the lives of third-world communities.

E-CLIPS is based upon the international St. Kitt's program, run by the EPICS department in previous years. The program took students to the St. Kitt's Island in the Caribbean where they worked on various projects to help the community. St. Kitt's was at first very successful, with such projects as a sand filtering system for a polluted bay and a mapping of the island's national park. However, Knecht pointed out that "after 9/11, the program kind of dropped, students weren't interested in going at all."

The international projects stopped being built. Concerning the creation of E-CLIPS, Knecht stated, "It was my intent to put those projects back together, and that's what I've done."

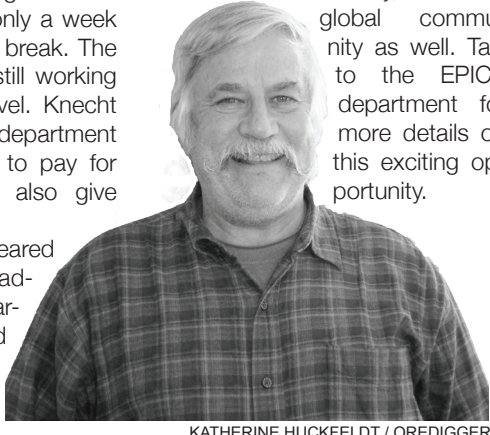
The course offers students multiple valuable assets. In addition to helping a community, students can "get the experience of traveling abroad, without spending an entire semester," said Knecht. E-CLIPS offers a list of projects, both domestic and overseas. The overseas travel can vary depending on the project. Some projects will require 4-6 weeks during the summer, while others are only a week during winter or spring break. The EPICS department is still working on the funding for travel. Knecht would like the EPICS department "to be in the position to pay for [students'] travel, but also give them a stipend."

E-CLIPS is also geared to give its students an advantage in the job market. Knecht explained that overseas experience is important as "a lot of companies are

global, so the opportunity to travel will be much greater." He predicts that "most students will be going international at some point in their career." Being internationally well-rounded is an asset for any engineer stepping into the work force, and E-CLIPS can provide that.

The current E-CLIPS class is working on five separate projects, three abroad and two in Colorado. A trip to Nepal is being coordinated for this spring as well as summer trips to Senegal and Zambia. E-CLIPS promises to be a great addition to not only the Mines

community, but to the global community as well. Talk to the EPICS department for more details on this exciting opportunity.



KATHERINE HUCKFELDT / OREDIGGER

Students help out St. Jude at Up Til Dawn



Alec Westerman
Staff Writer

Up Til Dawn is a fundraiser for St. Jude, a children's hospital. Michelle Arenas, the president of Up Til Dawn, explained of St. Jude, "It's mainly a research hospital. [It is] almost totally run off donations." She elaborated, "Patients who do go there, their parents are never asked to pay."

"In past years," began Arenas, Up Til Dawn consisted of a fund raising segment and an after party. This year, the after party was thrown simultaneously with the fund raising section. At the start of the event, she listed what was to come, "We're going to have the Wii going." In the background, there were going to be videos of St. Jude. There was also a "DJ set up." All the while, a Wii, a \$150 gift card to Best Buy, and more were to be raffled off.

Arenas recalled, "Last year, we had a hundred people." She explained that this year, 200 people signed up, surpassing the goal of Up Til Dawn, which was 150 people. Last year, the 100 participants raised over \$10,000, so Arenas explained that this year, Up Til Dawn will hopefully raise \$20,000. There were some incidents of people writing letters to whomever they found in phone books instead of targeting potential donors from among friends and family in the past. Arenas explained that she was hoping

to turn things around by saying, "We're striving to have people write real letters."

Next semester, there will be another event. There is talk of doing a fund raiser in which a restaurant gives a certain percent of its proceeds on a given night to a Up Til Dawn. Arenas said, "We're thinking of doing that." There is talk of doing a fund raiser on Kafadar in which anyone who writes a letter can get cake or ice cream. "We haven't gotten that far," summarized Arenas.

The goal for next year, explained Arenas, was "just to make it bigger." In the long term, Arenas explained that the goal was to "just make it more of a tradition at Mines."

The reason for Arenas's involvement was the phasing out of the old leadership. She explained, "I did it last year." She also gained inspiration from her visit to St. Jude. She explained, "I went to the hospital this year, and that was awesome."

Arenas depicted St. Jude as being a fun place for kids to go. She explained, "Everyone there was so happy." She said that the doctors seemed to deeply care about the patients. She described it as the "happiest hospital." While there, some patients told her their stories, Arenas said that it was "touching to hear their stories." She hopes that next year a patient might come in and talk to the Mines Up Til Dawn group.

ALL PHOTOS ALEC WESTERMAN / OREDIGGER



Shredders unite with club

Jared Walters
Staff Writer

Although the official season is just beginning, the Snowboarding Club is already active on campus. The snow storm last week provided great times for boarders up in Mines Park. The club brought up some rails, built jumps, and had a blast. Instead of studying for the chemistry exam on Thursday afternoon, some club members took a quick trip to Green Mountain, a great hill close by where they rode some fresh powder and attempted insane stunts.

The club was started cooperatively by Mike Dephillips, Silas Hatch, and Josh Shaw. Dephillips transferred to Mines this year from University of Pittsburgh, where he was involved in a "huge snowboarding club, at least 100 members." He said that when he got here to Colorado, he "expected that there would be a snowboarding club on campus, I mean its Colorado, you would think

there would be a snowboard club here!"

According to Dephillips, the goals of the club are to "provide an environment where everyone who shreds on campus can meet and get rides up to the mountains." The club will also provide many other benefits for members. "We're working on getting sponsors right now like Woodward at Copper, maybe 686, and some other small companies so everyone in the club can get cheap gear," claimed Dephillips. He is also hoping to "get some rails on campus so we don't have to hike up to Green Mountain, we can just ride

in Mines Park."

Although the club does not have many funds this year, for the future Dephillips hopes to, "Eventually get more funding and money from dues so that we can host trips and maybe get a lodge so the club can go up and have a good time."

The new Mines Snowboard Club is open to all skill levels, and is a great opportunity for anyone who wants to have a killer season.

The first meeting of the new Mines Snowboarding Club will be held next Tuesday, November 3rd at 6:00 pm PM in Ballroom E in the Student Center.



JARED WALTERS / OREDIGGER

I-Day helps students share cultures



ALL PHOTOS SARAH MCMURRAY / OREDIGGER



Cyber Security Awareness didn't end because October did.

Why is this important?
Why is Mines vulnerable?

Why am I vulnerable?
Why doesn't Mines protect me?

Mines' Information Security Officer
Dr. Phil Romig:
Tuesday, November 10th, 4pm
Room 102 CTLM.

"KNOW YOUR THREATS"

Learn the "bigger picture." Ask Questions. Get Answers.

Win prizes: T-shirts, Mugs, gift certificates or
an ASUS net book or an Apple iPod Touch.

Be There!

PROTECT YOURSELF
KNOW THE THREATS

<http://inside.mines.edu/NCSAM>
Computing, Communications, & Information Technology

Fruit Parfait ideal for warm autumn days

Neelha Mudigonda
Content Manager

This is more of a summer recipe, but since it was quite warm last week, I figured it would be a good idea just in case you feel like something cold.

Ingredients:

- 1/2 cup of yogurt, plain or strawberry
- 1/2 cup of granola, not the stale kind (which I might or might not have used)
- 1/2 cup of all your favorite fruit, diced; I used strawberries, mango, and banana
- 1/2 table spoon of Hershey's chocolate syrup; this is not a bad idea, I promise

Directions:

Pull out a cup or a wine glass if you're feeling fancy.

Put two spoons of yogurt at the bottom of the glass, and pat the surface with a spoon to smooth it.

Put two spoons of granola over the yogurt, and smooth it.

Put two spoons of your fruit on top of the granola, and smooth it.

Repeat the process until you run out of the ingredients.

Top your parfait with the chocolate syrup. I would only do this if I used strawberries and bananas as my fruit. We all know those go really well with chocolate.

This recipe is good for one person. Multiply the ingredients with the number of people you feel like sharing the parfait with.

Alaskan seasonal perfect for cold winter nights

Kevin Lock
Staff Writer

Alaskan Brewing Company has seen some rather cold dark winters. When it gets nasty outside, nothing is better than a great, easy-to-drink beer. Alaskan Brewing is located in Juneau, Alaska and has been handcrafting beer since 1986 and was the 67th operating brewery in the United States and the first and only in Alaska. Since their conception, they have won over 33 major metals and awards for their beers.

The people at Alaskan Brewing have seen large amounts of growth in the demand for their beer as they continue to strive for perfection. On their website they claim to have the unofficial record of production on a 10 barrel brewing system: 42 batches in a single week. I assure you that this increase in production has not led to a decrease in the quality of their beer.

The brew currently in question is the Winter Ale, which has a thick head that nicely rings the glass and a reddish amber color. The flavor is very smooth and slightly malty with fruity hints along with a welcome mildly bitter aftertaste. With the

addition of pine tips to the brewing process this beer has a deeper character than many, with a lively flowery aroma. The combination of malts, hops, and Sitka spruce tips lead to a very drinkable richly flavored beer.

With an alcohol by volume of 6.4%, this beer has a great, but not overwhelming, flavor. Personally, I can't think of any scenario for a better day than going up skiing with some good friends then returning to the condo or hotel or even home to Golden to drink some good winter brews. Alaskan Winter Ale is the perfect candidate for post skiing or sledding adventures; its flavor is not overpowering but is very enjoyable. You and your buddies will have no trouble throwing back one or six of these brews this winter. At about 7 dollars a six pack, this beer also won't break the bank.

"With an El Niño winter in store, I can hardly wait to find myself snowed in at the resort with nothing to do but relax, pray for more snow, and drink delicious beer like Alaskan Amber!" said fellow taster Bob Beach after enjoying this tasty brew.



KEVIN LOCK / OREDIGGER

Hearts of Palm say farewell

Tim Weilert
Content Manager

It's been a year of good-byes on the Denver music scene. This summer, Hot IQs called it quits, a couple of weeks ago, Everything Absent or Distorted said farewell, and this past weekend, Hearts of Palm (aka Nathan&Stephen) played a pair of final shows. Hearts of Palm unofficially broke up last year, but never had a proper sending-off, so they re-grouped and packed-out the Hi-Dive for the last time.

This review only covers their Friday night show (International Day, AKA "The tastiest day of the year" was Saturday, so that show was not covered). The concert had a rather odd lineup: the progressive rock band Titan Courageous, the heavy metal To Be Eaten, and finally, the indie-pop-with-a-horn-section Hearts of Palm. While the other groups had personal connections to the headliners, it certainly made for a bit of a weird vibe.

As Hearts of Palm took the stage, a fog machine began to fill the space with smoke; flood lights illuminated the stage and the 9-person band (which consisted of at least 3 Till brothers) filled the stage to capacity. Playing through a few of their more upbeat numbers at the beginning of the set, singer Nathan McGarvey kept say-

ing, "Alright, we've got one more for you" (even just 2 songs in).

The crowd quickly warmed up and began to sing along with the classic HoP tunes "No Water" and "Happy." It was certainly a family affair as Stephen Till took the time to thank his parents, especially his mother, who "birthed about half of the people on stage." Similar to the EAoD farewell a few weeks ago, Nathan&Stephen played through



ALL PHOTOS TIM WEILERT / OREDIGGER

every song they had ever recorded and released. While they did not necessarily need to reunite for a farewell show, everyone on hand greatly appreciated the opportunity to see Hearts of Palm say a proper good-bye.



The Yard House is an upscale, casual eatery known for great food, classic rock music and the world's largest selection of draft beer.

HAPPY HOUR featuring
MARTINIS & BEER

DAILY • 3:00PM - 6:00PM
DAILY • 10:00PM - CLOSE

AND MONDAY NIGHT FOOTBALL
from game kick-off to final play 9/14/09-12/28/09

SELECT HALF-PRICED PIZZAS & APPETIZERS

\$3.50 Domestic Pints • **\$4.00** Craft/Import Pints
\$4.50 Goblets • **\$4.25** Well Drinks
\$5.75 House Martinis • **\$2 OFF** Wine by the Glass
\$6.50 SLIDERS

Yard House supports designated driver programs. We card anyone who looks under 35.

COLORADO MILLS • 14500 WEST COLFAX AVE • 303.278.YARD • yardhouse.com

EXTENDED FOR
MONDAY
NIGHT FOOTBALL

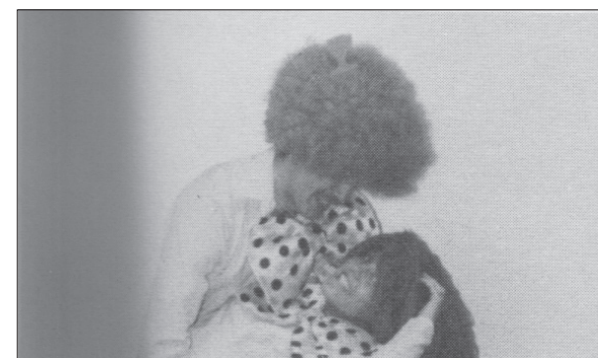
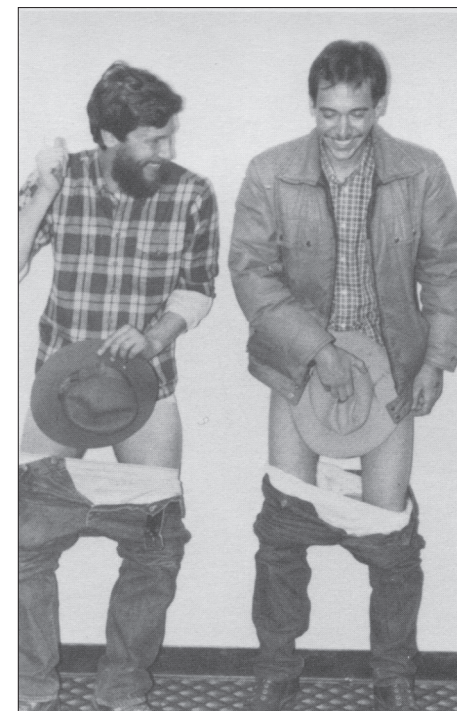
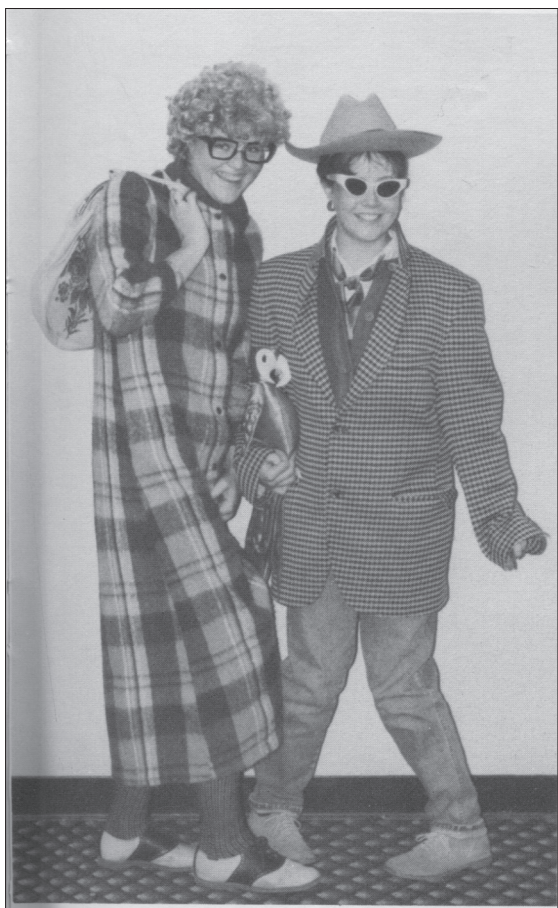
Below is another yearbook excerpt, from the "Shoot Yourself" competition for the 1984 CSM yearbook. See more from this yearbook and others online at oredig.us/b/



"I'm really glad that Student Council didn't cut the Big Event because it's a party for the students, by the students."

Brad Neptune, '84

The second annual "Shoot Yourself" was held at the 1984 Big Event. The pictures even turned out this year! The Shoot Yourself night is done to give everyone a chance to get their beautiful faces, or whatever, in the yearbook. For only 25¢ anyone could use any of the props, in any position they chose, and take a picture. It's incredible what engineers can come up with!



Mines ends season on a high note

Courtesy CSM Athletics

Colorado School of Mines concluded its 2009 season with a 69-27 victory over N.M. Highlands University on Saturday afternoon, November 7th, in Rocky Mountain Athletic Conference (RMAC) football action at Brooks Field.

Mines' Jahre Cheeseman opened the scoring with a 12-yard touchdown run at 11:33 in the first quarter. NMHU responded with Robert Grant's three-yard scoring run at 7:02 in the opening stanza. Adam Saur's two-yard touchdown reception from David Pesek at 4:56 put CSM up by seven, but the Cowboys answered again when Narcisco Diaz tossed a 17-yard scoring pass to Travis Lee just two minutes later (2:51) to knot the score at 14 apiece. Saur hauled in his second touchdown catch of the quarter from Pesek - this one from 49 yards out, to provide the Orediggers with a 21-14 lead after one quarter of play.

Pesek threw a 15-yard scoring pass to Robbin Vinnola early in the second period (12:04) to increase Mines' lead to 14 points (28-14), but the Cowboys scored on the opening play of their ensuing drive (11:48) when Kevon Williams caught a 60-yard touchdown pass from Diaz. Saur's 35-yard touchdown recep-

tion from Pesek (9:33), along with Cheeseman's 19-yard scoring jaunt (7:14), gave Mines a 42-21 lead at the half.

Midway through the third period, Ben Hahn found the endzone on a one-yard run (7:01) before Josh Geist returned a fumble 47 yards for a score (5:25; kick failed) to give the Orediggers a 34-point cushion at 55-21. NMHU's final score of the contest came with 2:25 remaining in the third quarter when Brandon Torres caught a 23-yard touchdown pass from Diaz (kick blocked). Pesek and Saur teamed up for yet another touchdown - this time from 11 yards out - with two seconds remaining in the third quarter to bring the score to 62-27. Dominic Bravo hauled in a six-yard scoring pass from Pesek at the 11:05 mark in the fourth period to close out Saturday's scoring.

Pesek, one of 24 national candidates for the 2009 Harlon Hill Trophy as the NCAA Division II College Football Player of the Year, established a career-high in completions while connecting on 36-of-48 passes (no interceptions). Pesek also established a career high with six touchdown passes while setting a new CSM individual single-game record for passing yards with 506. Pesek is the first single-game 500-yard

passer in school history. Pesek concludes his career with the Orediggers ranked first in the CSM career record book in pass completions (799) and pass attempts (1,253), as well as second in school history in passing yards (9,159), touchdown passes (65) and completion percentage (63.8).

Saur, who finished the contest with 216 yards receiving, tied a CSM single-game record with 14 receptions. With four touchdown receptions on Saturday, Saur became CSM's career leader in that category with 32. Saur's 15 touchdown receptions in 2009 established a new single-season program record in that category, as well, eclipsing the mark of 13 that he set in 2008.

Cheeseman had 17 carries for 128 yards and two touchdowns while Vinnola concluded the afternoon with six catches for 106 yards and one score. As a team, the Orediggers amassed 677 yards of total offense, which was just nine yards shy of tying the all-time CSM single-game record of 686 (2004 vs. Western State).

Kyle Goracke led CSM with nine total tackles while Nick Hani szewski (two tackles for a loss) recorded six total stops. Blaine Sumner

had five total stops, including three tackles for a loss and two sacks. Hunter Wardlaw picked off two NMHU passes and Ben Tiller added yet another interception for the Orediggers. NMHU finished the game with -33 yards rushing.

CSM's 69 points scored on Saturday was the highest single-game output for the Orediggers since a 69-0 shutout victory over Oklahoma Panhandle State University on October 30, 2006, in Golden.

Diaz completed 26-of-45 passes for 357 yards and three

touchdowns (three interceptions) for the Cowboys (1-10 overall, 1-8 RMAC) while Williams caught eight passes for 145 yards and one score. T.J. Norris and Lavelle Riley finished with eight and nine total tackles, respectively, for NMHU.

The Orediggers (8-3 overall, 8-1 RMAC) were not selected to the 24-team field for the 2009 NCAA Division II football championships. The six teams from Super Regional Three that were selected to participate in the 2009 NCAA Division II football championships are listed below.

Pesek also established a career high with six touchdown passes while setting a new CSM individual single-game record



ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER

Lady Orediggers kick off basketball season



ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER



Courtesy CSM Athletics

The Colorado School of Mines women's basketball team has been picked to win the Rocky Mountain Athletic Conference (RMAC) East Division in the 2009-10 Pre-Season Coaches Poll released this morning. Emily Dalton was named Pre-Season East Division Player of the Year and was a unanimous Pre-Season First Team All-RMAC and First Team All-East Division selection.

The Oredigger women, who were picked to finish second overall in the RMAC, received one first place. CSM posted a record of 19-11 overall and 14-5 in conference play during the 2008-09 season earning a share of the RMAC East Division title. Mines advanced to the 2009 RMAC Tournament Championship against CSU-Pueblo.

Dalton, a 5-11 senior forward from Golden, Colo. (Arvada West H.S.), earned First Team All-East Division accolades as a junior during the 2008-09 season. Dalton, who started all 30 games, led the squad and ranked 16th in the RMAC in scoring (13.0 ppg). Dalton finished the season ranked sixth in the conference in free throw percentage (.809), ninth in field goal

percentage (.482) and 20th in rebounding (5.3 rpg).

As a sophomore during the 2007-08 season, Dalton led CSM and ranked 10th in the RMAC in scoring (13.9 ppg) as she started all 29 games. Dalton also ranked first on the team in field goal percentage (.487) and total rebounds (169). A Second Team All-East Division selection, Dalton ranked in the top 20 in the conference in both field goal percentage (13th) and rebounding (20th, 5.8 rpg).

In her first season, Dalton played in all 28 games (25 starts) and ranked second on the team in scoring (9.7 ppg). Dalton shot 52.7 % from the floor and 77.8 % from the free throw line. Dalton finished her 2006-07 campaign ranked third on the squad in rebounds per game (4.9), assists (31) and steals (27).

The Orediggers will host Colorado College in exhibition play on Saturday, Nov. 7th at 6:00 pm at Lockridge Arena. CSM begins the 2009-10 season at the Super 8 Tipoff Classic hosted by Northern State University on Sunday, Nov. 15th and Monday, Nov. 16th. The Orediggers return home on Saturday, Nov. 21st to take on Hawai'i Pacific at 2:00 pm.

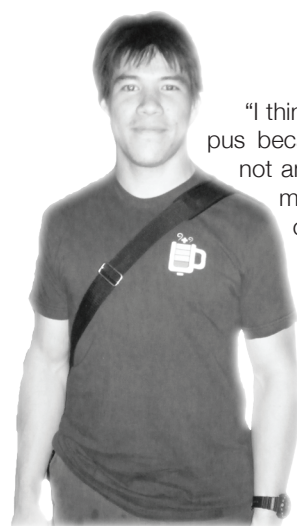
The Colorado School of Mines women's basketball team has been picked to win the Rocky Mountain Athletic Conference East Division.



Minds at Mines International Day

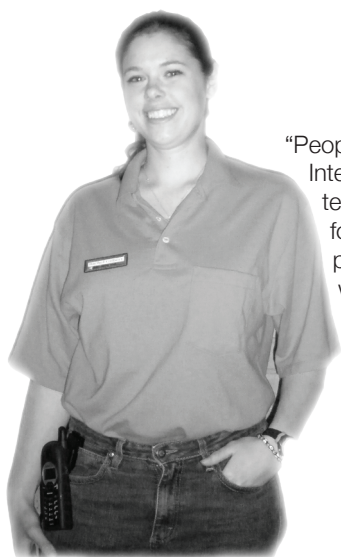
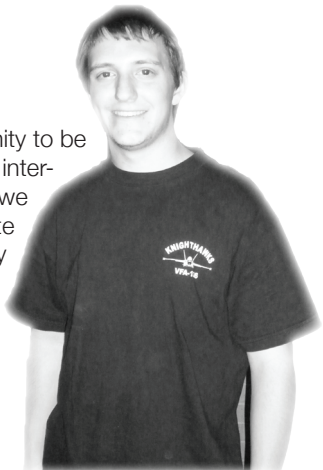
Roby Brost
Staff Writer

The flags. The food. The different languages. The food. The music. The food... All of these things transformed Freidhoff Hall into a smorgasbord of fun and diverse events. There was so much delicious food to be seen, smelled, tasted, and savored that it was hard to decide where to begin. Every stand and every flag offered something delicious and new to taste. For some, the tastes were a fond remembrance of home, for others a new and scrumptious adventure. Food aside, the people that teemed throughout the Hall were having a fantastic time. Members of the Golden community joined Mines students and faculty got together to share a little culture with people with whom they may have never connected. So Minds at Mines wanted to know; why is International Day so important? And, perhaps more importantly, why is it so much fun?



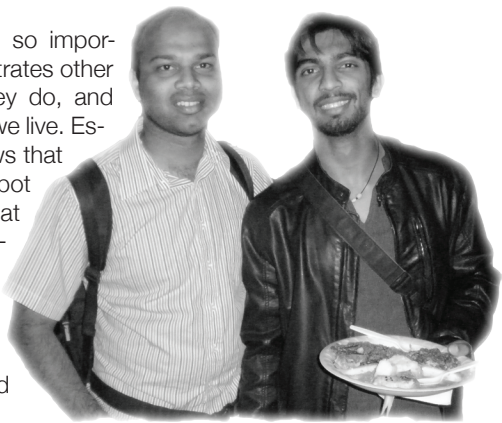
"I think that it is such an important thing for campus because, I don't know, probably because I'm not an International student and don't interact as much with our international community very often, or as much as I would like to. Why is it so much fun? Food!"
Alexander Gan

"I think that it is a really good opportunity to be able to share other people's cultures and interact with them more. I think that whether we mean to or not, people tend to segregate from each other and this is a great way to get to know one another while having some really great food in the process."
Eric Dorbin



"People here at Mines are a diverse bunch. International Day is a day at Mines. What International Day provides is an opportunity for people to come here and interact with people that they don't usually interact with from day to day and that is great. Plus, there is amazing food."
Rachel Gilbert

"International Day is so important because it demonstrates other countries and what they do, and how similar it is to how we live. Especially because it shows that Mines is such a melting pot of people. And I think that it is great that this [International Day] is somewhere where people from all over can have some great food."
Naveen Thomas and Somil Rath



ALL PHOTOS ROBY BROST / OREDIGGER

What's your Beef?



Jaime Thorpe
Student Body President

"Could we be more effective in the use of email lists? Overall, I get a lot of emails that aren't applicable."

Yes. This is not a new idea, but we have yet to come up with a reasonable solution to the problem. Currently, when someone sends a message to a list, it goes to a list moderator for approval. The criteria for approval is that 'a message must relate to institutional business or activity and must be relatively small in size.' Clearly, these standards are quite lenient and result in huge numbers of emails that few people are interested in reading. The proposed solution? There are a few, but in order to more accurately gauge the desires of the students, CCIT (formerly AC&N) will be coming to the ASCSM meeting on December 3rd at 7pm to hear our ideas. Everyone is welcome to come and share their ideas!

"How come when the CSM

administration tells us a decision on a snow day will be issued 'after 10 p.m. but before 6 a.m.' it can't manage to actually issue the closure notice until after 6 a.m. -- thus ensuring that people who normally arrive on campus early will already be there before they see the notice?"

The administration did not intend to send out the notice late, but due to an email problem it was delayed. Additionally, it was difficult to make the decision to close, because weather conditions were uncertain and the administration was trying to prevent from disrupting scheduled common hour exams. In order to prevent any future inconveniences, the administration has decided to move the notification time for any future closures to 5 am.

"Who else runs the student government besides the Class Reps, President, and Treasurer?"

There are many students involved in ASCSM. The Executive ("Student Body") Officers are President, Vice-

President, Treasurer, Trustees Representative, Secretary, Parliamentarian, and President of the Graduate Student Association (GSA). There are also three At-Large Representatives: At-Large Representative to the Community, At-Large Representative to the Faculty Senate, and At-Large Representative to the Institution. There are also Class Officers, made up of the Class Presidents, Treasurers, and three Representatives from each class. Beyond these positions, there are 4 voting members of ASCSM from the Board of Student Organizations, and 4 from the GSA. In addition to the voting seats on the ASCSM Senate, every fee-paying student is a member of ASCSM, and is welcome to come to any of our meetings and voice your opinion on the topics that are up for discussion. If you are interested in reading the ASCSM By-laws, let me know and I will get them to you.

I-day must go beyond peace

Anonymous submission

Like many people, I enjoyed International Day for more than just the good food. I have always loved cultures being proud of where they are from and the traditions they hold. Especially during the cultural and fashion show, the diversity of the groups truly showed. I was glad to see these international students so proud of their culture.

The performance closed with "Imagine" by John Lennon, a song considered by Rolling Stone magazine to be the third greatest song of all time. While it was great to imagine world peace, the song stood in stark contrast to the entire rest of the night.

Take for example a line from the song, "nothing to kill or die

for / and no religion too." Earlier, the hosts gave some facts about Thailand during the performance, such as how it is 95% Buddhist. The song they played was a traditional religious song. Their culture is driven by their religion. They would even die for it, as was demonstrated by Thich Quang Duc in his famous self-immolation.

Again, "Imagine" states, "Imagine there's no countries / it's an easy thing to do." While being overly-zealous in national pride has caused many wars, taking a healthy amount of pride and supporting your country is vital to culture. The traditions and holidays would cease without a unique people. While people groups can exist without a country, it won't stop intercultural violence simply to throw them all in one pot. Just

look at why India and Pakistan are separate countries.

I'm all for world peace. However, is it possible to achieve without Lennon's atheistic uniformity? Cultural and religious diversity stands opposed to this proposition. While many argue that wars are caused by religion, it is often forgotten that the bloodiest of all wars, the ones of this last century, were fought in the name of Lennon's dream, separate from religion and culture.

Is world peace worth having nothing to fight for? Only after eradicating passion for culture and history can Lennon's world peace come about. The International Day should have had a higher goal than world peace. They should have asked for the embrace of cultural diversity.

Tim's two cents



Get cultured!

Tim Weilert
Content Manager

On the heels of last week's piece, entitled "Get Opinionated!" this week I will attempt to convince you to get out and appreciate the arts.

While engineering may be an analytical and scientific skill, an engineer need not be uncultured. To be a well-rounded person, an appreciation both of the technical and aesthetic should be fostered. Furthermore, *now* is the time to take advantage of the many opportunities to experience world-class art.

One of the wonders of being a college student is the "student discount." While most people only take the student advantage when

it comes to getting a free drink at Chipotle, there are much more ambitious and interesting activities that can be done for a fraction of the cost, simply because of your student status.

As a quick example, The Colorado Symphony Orchestra. Mines students have been able to experience the wonders and fidelity of live classical performances for a measly \$5/ticket for quite some time. I myself have endeavored to visit the Boettcher for some of the most memorable musical experiences of my life thus far.

College is a time where opportunities almost constantly afford themselves almost to engage in activities that are not only considered entertainment, but also culture. In a time when it seems

like any experience can be downloaded, there is still something to be said for the fine arts, museums and concert halls. Denver may not be New York or L.A. (or even Chicago), but it is still home to some amazingly talented artists and world-class venues. So cancel your WoW account, get up from that computer, turn off the X-box, and go experience the arts!

Editorials Policy

The Oredigger is a designated public forum. Editors have the authority to make all content decisions without censorship or advance approval and may edit submitted pieces for length so long as the original meaning of the piece is unchanged. Opinions contained within the Opinion Section do not necessarily reflect those of Colorado School of Mines or The Oredigger. The Oredigger does not accept submissions without identification and will consider all requests for anonymity in publication on a case-by-case basis. Submissions less than 300 words will receive preference.

Fool's Gold

“Crunchy and sweet, tangy and pungent.”

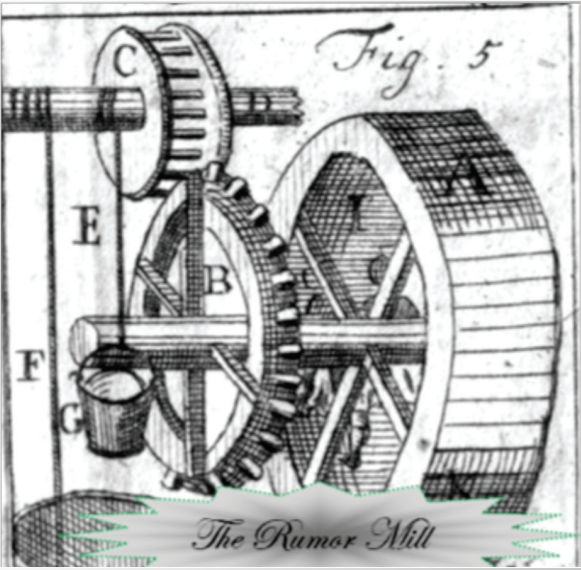
THE RUMOR
MILL

Campus rumors debunked

Mike Stone
Researcher

Rumor: Eminem is playing at the E-Days concert this Spring.
Status: Confirmed
Description: Due to his music being banned from the 49 states other than Colorado, job opportunities are pretty limited.

Rumor: International Day to be banned from Mines for 25 years.
Status: Busted
Description: In order to prevent Post-International Day Toilet Hugging (PiDTH) all students will merely be limited to combining foods from 7 countries.



“Shorthand” may
become ABET law

Janeen Neri
Exp In ShHnd

School officials are keeping an anxious eye on rumors that proficiency in shorthand may soon be required for all college engineering programs. The Accreditation Board for Engineering and Technology (ABET) is considering adding the skill to their already lengthy list of program guidelines.

“We’re concerned,” said ABET spokesman, James Hill, “that in this highly computerized age, students are forgetting how to interact with pen and paper. We don’t want the cornerstone of the next generation to be so reliant on technology that they’re helpless when the power fails or their equipment breaks down.”

The board is also concerned with the large volume of notes that engineering students maintain in their rigorous classes. “We’re already noticing that these kids’s hands can not keep up with the material,” said Hill, “and they’re having to turn to their computers to even begin to take adequate notes. These notebook computers, however, have one thing that paper notebooks don’t – webcomics.”

Professors are left with an awkward decision: ban computers

entirely because of the distraction they cause, or permit them so, students can move at the faster pace they need in order to cover the material.

Taking into account all aspects of shorthand, ABET is also impressed by the aesthetic quality of the style. “It perfectly encapsulates what it means to be an engineer,” said Hill, “optimizing efficiency without losing quality. In fact, what you have left is a script that, we think, is more beautiful than standard written English. It’s English pared down to its bare, minimalist glory.”

Unfortunately, this optimization provides one hitch in the plan. “The wrinkle we’re ironing out right now,” Hill explained, “is whether we go with an existing shorthand style designed for secretarial work or, if we design a fresh standard that works more smoothly with technical writing. Compatibility, or maximum utility?”

If ABET decides to implement the new requirement, schools could have as little as a year to put together a curriculum. “It’s definitely something I’m keeping an eye on,” said EPICS instructor Henry Sweet, “because, we’ll have to move darned fast if it gets put in there.”

Texts from last night

Nick Libertini
Staff Writer

(303): I checked with the school, it turns out you can’t rent Blaster for birthday parties...so I guess we’ll have to stick with beer pong, streaking, and duck duck goose.

(303): We tried a new drinking game tonight: take a shot for every girl at the party. Needless to say I’m VERY sober!

(720): That guy in my calc class asked me out again. Something about being my derivative and tangent something. What’s the mathematical word for NO???

(303): Come to the Slate, they’re serving salmon tonight!
(719): I already checked...it’s just raw chicken...
(303): Ice cream it is then

(970): I talked to a girl today.

The conversation really went downhill after I offered to fertilize her plants. I guess she didn’t realize I was talking about FarmVille.

(720): Should I be jealous that Marvin has 10 times as many Facebook friends as me?

(303): Just got kicked out of Earth Lab. I guess licking all the rock samples was not an appropriate scientific approach

(970): How long should I bake the pie for?
(720): 3.141592654 minutes
(970): UR an idiot

(303): Well the empirical results are in: shotgunning 3 beers before Quant Lab does NOT make that class any less painful!

(720): Hey, are we still going as Frodo Baggins and Gandalf to this Halloween party?
(303): NO! I actually want to

be able to talk to some chicks to night!
(720): Dude... Mines...

(970): Should I just assume that every girl at Mines has a boyfriend???

(719): Pretty much
(970): We should make them wear “taken” or “not taken” t-shirts so I can stop putting my foot in my mouth
(719): That’d be like relationship profiling

(303): I ordered 35 pickles at Jimmy Johns last night!
(970): Why????
(303): Just so I could hear them all yell “Pickle!” every time I ordered one

(303): U should come over, we’re having a Tetris competition.
(720): I can’t, I have Capa homework
(303): Oh come on! Tetris has green and red boxes too!

	7					8		
			2		4			
		6					3	
			5					6
9		8			2		4	
	5			3		9		
		2		8			6	
	6		9			7		1
4					3			

○ — solution — ○

8	9	5	3	2	6	7	1	4
1	2	7	5	4	9	3	6	8
3	9	4	7	8	1	2	6	5
2	7	6	8	3	4	1	5	9
5	4	1	2	9	7	8	3	6
6	8	3	1	6	5	4	2	7
7	3	2	6	5	8	9	4	1
9	1	6	4	7	2	5	8	3
4	5	8	9	1	3	6	7	2



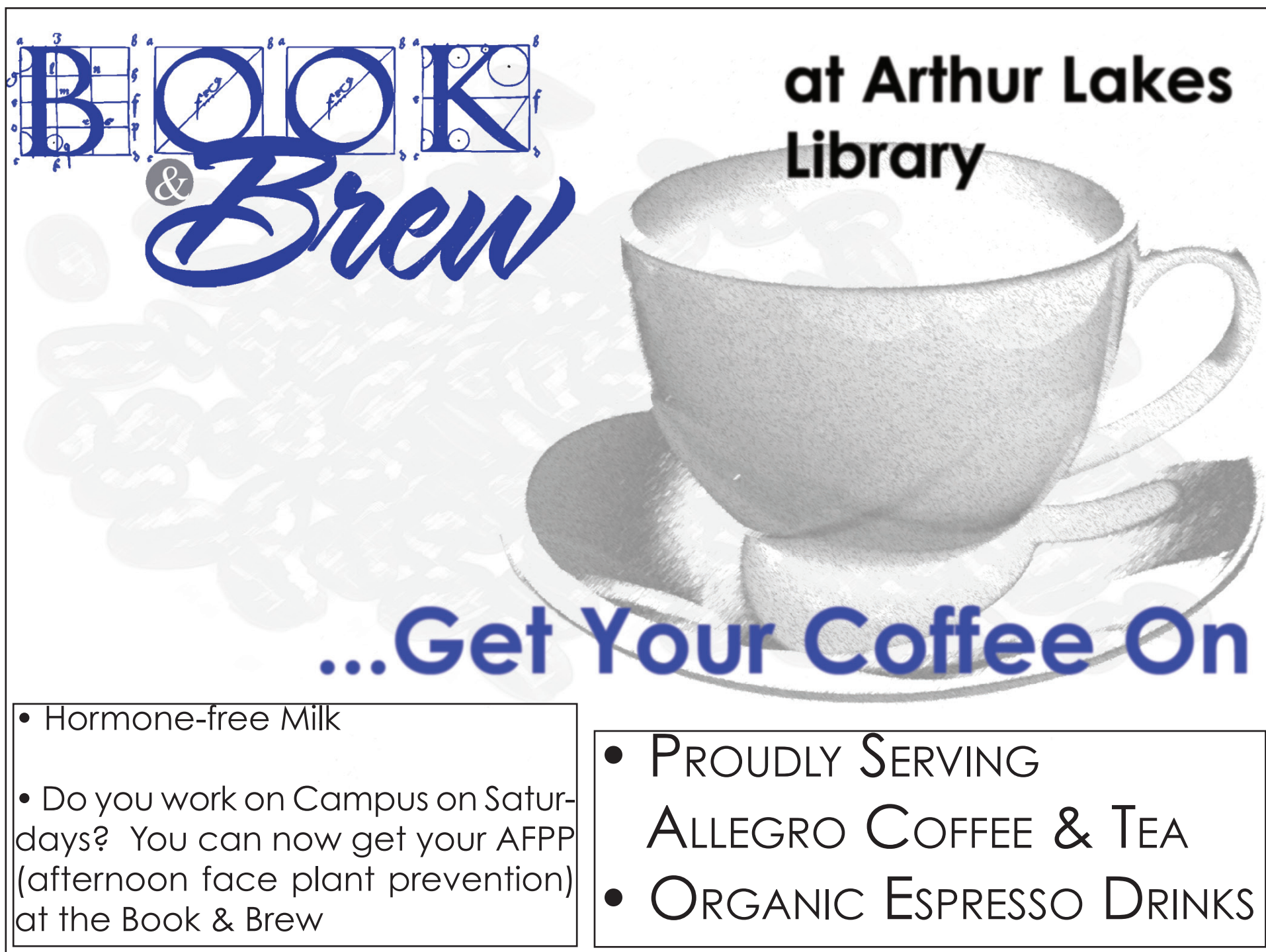
ESM Club and Intramural Sports

SWIM MEET DEADLINE:
THURS 11/12 @5PM

Good Luck Women's Club Soccer at Nationals!

mines TM
RECREATIONAL SPORTS

<http://recsports.mines.edu>



BOOK & Brew

at Arthur Lakes Library

...Get Your Coffee On

- Hormone-free Milk
- Do you work on Campus on Saturdays? You can now get your AFPP (afternoon face plant prevention) at the Book & Brew
- PROUDLY SERVING
ALLEGRO COFFEE & TEA
- ORGANIC ESPRESSO DRINKS